

**REMARKS/ARGUMENTS**

Claims 1-22 remain in this application. Claims 1, 7, 9, 15 and 21 have been amended. Claims 3, 4, 18 and 19 were cancelled in a previous response.

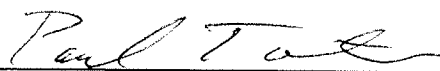
Claims 1, 9 and 15 each included the term "an input signal" twice. These claims were amended to change these terms to "a first input signal" and "a second input signal." The amendment clarifies that the input signals to the first and second gain amplifiers are different.

The Examiner objected to claims 7 and 21 for using the term "the gain amplifier," since the respective claims includes both a first gain amplifier and a second gain amplifier. Claims 7 and 21 have been amended to specify that the term "the gain amplifier" refers to "the first gain amplifier."

The Applicant thanks the Examiner for indicating that claims 1, 2, 5, 6, 8-17 and 20, 22 are allowed. Applicant requests that the above described amendments be made part of the official record in the present application, and respectfully submit that support for the claim amendments and new claims is present in the specification, claims, and drawings as originally filed, and that no new matter has been added. The Commissioner is hereby authorized to charge any underpayment of fees associated with this communication or credit any overpayment to Deposit Account No. 04-0822.

Respectfully submitted,  
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